

H. Design Considerations - Vacuum Sewerage Collection Systems:

1. Except as provided for in subparagraph H.4 below, the use of vacuum sewerage collection systems is limited to installations by York County to serve existing platted residential areas. The design of vacuum collection systems shall be in accordance with the Virginia Sewerage Regulations as promulgated by the State Department of Health and the Virginia Department of Environmental Quality.
2. The vacuum station and collection system approved for installation in existing residential areas by the County of York is the AIRVAC system manufactured and supplied by AIRVAC of Rochester, Indiana.
3. The vacuum station and collection system shall be designed in accordance with the AIRVAC Vacuum Sewerage System Design Manual dated June 1996 and as amended by that firm.
4. Vacuum sewer collection systems may be extended to serve undeveloped areas when the County has installed a vacuum sewer system to serve the area or adjacent areas and one of the two following provisions is applicable:
  - a. The undeveloped parcel or parcels have not been, and are not proposed for subdivision, and the owner or a previous owner paid an initial connection fee in accordance with Section 18.1-62(c), (c), or (f) of the York County Code. (This provision is also intended to permit the owner of an improved or unimproved parcel that abuts a County installed vacuum sewer line and which existed at the time of the installation of the County system to connect to the system by payment of the applicable connection fees and extension costs at a later date.)
  - b. The developer has submitted a request to the County to consider an extension of the vacuum sewer collection system and the County has determined by resolution adopted by the Board of Supervisors that the existing vacuum system has adequate capacity to serve the undeveloped area, and service by vacuum sewer is in the best interests of existing sewer customers and would, from an engineering standpoint, benefit the development and maintenance of the sewer facilities of the County. The determination by the Board shall also take into consideration the overall impact of the development on the environment and whether allowing the extension of the vacuum sewer will have a detrimental effect which would not otherwise occur.

In the event a resolution of approval is adopted by the Board, the developer shall enter into a contract as provided for in Section 18.1-53(b) of the York County Code and such extension shall be deemed to be serving an area outside of a primary service area. (The provisions of

Section 18.1-65(d) and 18.1-54(c)(3) shall apply in establishing the terms of the extension agreement.) In addition, the contract shall provide for the contribution by the developer of an amount equal to \$2,500 for each lot to be connection to the proposed vacuum system in addition to all required fees as an offset for projected increased construction inspection cost and maintenance expense over the life of the system. Such contracts do not require additional Board approval.

5. Contractors engaged to construct vacuum sewer collection system extensions must be approved by the County.

J. Design Considerations - Grinder Pumps

The use of grinder pump/low pressure systems shall be evaluated on a case by case basis and shall be in accordance with section 18.1-41 of the County Code. The use of grinder pump/low pressure force main sewer systems may be authorized by the County Administrator upon a determination that one of the following conditions or circumstances exist which prevent the use of other approved means of sewage disposal.

1. Approved Commercial/ Industrial Uses:

- a. The private sewer system serving an existing commercial or industrial property has failed and can not be repaired or relocated in accordance with applicable Health Department regulations.
- b. The commercial/ industrial business submits a plan to expand their business and there is insufficient area to expand or relocate the private sewer system in accordance with applicable Health Department regulations.
- c. The property is undeveloped but was intended to be served by a grinder pump/low pressure force main system pursuant to a subdivision development plan, site plan or County sewer extension plan previously approved by York County.
- d. The County has extended service to the area and as part of the extension project, has determined that the only feasible means of serving a particular property or properties within the project area now and in the future is by use of a grinder pump/low pressure force main system.
- e. A request is made by the property owner to replace a private grinder pump system serving a commercial/ industrial property.

2. Approved Residential Uses:

- a. The private sewer system serving an existing residential property has failed and can not be repaired or relocated in accordance with applicable Health Department regulations.
- b. The property is undeveloped but was intended to be served by a grinder pump/low pressure force main system pursuant to a subdivision development plan, site plan or County sewer extension plan previously approved by York County.

- c. A gravity lateral connection has been installed to serve a lot and the topography of the land or the distance from the dwelling unit to the gravity lateral is such that it is not possible for waste water to flow by gravity from the dwelling unit to the gravity connection.
- d. A request is made by the property owner to replace a private grinder pump system serving a residential property.
- e. The County has extended service to the area and as part of the extension project, has determined that the only feasible means of serving a particular property or properties within the project area now and in the future is by use of a grinder pump/low pressure force main system.
- f. After reviewing any plans, specifications or other information provided by the owner and upon receiving written approval from the Health Department, the Director of Environmental and Development Services and the Director of Financial and Management Services have both recommended to the County Administrator that the use of the grinder pump/low pressure force main system is acceptable for the proposed use, and the County Administrator has determined that the extension is in the best interests of the health and welfare of county citizens, is in accord with the logical development of the facilities of the County, and is not being made solely to benefit the property owners. Board approval is required for extensions serving proposed subdivisions. In any case the owner may appeal the decision of the County Administrator to the Board.

3. Extensions – Commercial/Industrial:

- a. All costs shall be borne by the owner(s) of the premises to be served including the procurement of all materials and equipment and a qualified contractor for the construction and installation of the grinder pump/low pressure system and control system and electrical service.
- b. If requested by the owner of the premise the County will accept ownership of the grinder pump/low pressure system once the facilities are constructed to the standards of the County. The owner of the premise shall enter into a Public Sewer Extension Agreement (PSEA) with the County for the extension of the facilities of the County and agreeing to supply the necessary electrical power for continued operation of the system at the property owner's expense.
- c. Prior to the County accepting ownership of the grinder pump/low pressure system, the owner of the premises must convey to the County, free of charge, necessary easements for operation and maintenance of the grinder pump/low pressure force main and control system and shall pay all fees